Physics of the Earth and Planetary Interiors, 52 (1988) 394–395
Elsevier Science Publishers B.V., Amsterdam – Printed in The Netherlands

CONTENTS VOLUME 52, 1988

Letter Section

Comparison of centroid-moment tensor and first motion solutions for western Mediterranean earthquakes
H. Anderson (Cambridge, Gt. Britain) 1

Research Papers

The Tamar conductivity anomaly
W.D. Parkinson, R. Hermanto, J. Sayers, N.L. Bindoff (Hobart, Tasmania, Australia), H.W. Dosso and W. Nienaber (Victoria, B.C., Canada) 8

A low-dimensional attractor for modelling the reversals of the Earth's magnetic field
F. Krause and H.-J. Schmidt (Potsdam, G.D.R.) 23

Processing of noisy magnetotelluric data using digital filters and additional data selection criteria
S.L. Fontes, T. Harinarayana, G.J.K. Dawes and V.R.S. Hutton (Edinburgh, Gt. Britain) 30

The influence of tidal stresses on deep moonquake activity
T.A. Minshull and N.R. Goulty (Durham, Gt. Britain) 41

Source finiteness of large earthquakes measured from long-period Rayleigh waves
J. Zhang and H. Kanamori (Pasadena, CA, U.S.A.) 56

Waveform inversion for rupture processes of two deep earthquakes in the Izu-Bonin region
S. Yoshida (Tokyo, Japan) 85

Some newly developed statistical procedures for extreme events
G.R. Dargahi-Noubary (Leuven, Belgium) 102

The effect of low temperature oxidation on the remanence of TRM-carrying titanomagnetite $Fe_{2.4}Ti_{0.6}O_4$
K. Brown and W. O'Reilly (Newcastle upon Tyne, Gt. Britain) 108

High-pressure elasticity, shear-mode softening and polymorphism in MnO
S.L. Webb, I. Jackson and J.D. Fitz Gerald (Canberra, A.C.T., Australia) 117

Hot creep of single crystals by bending: procedure, theory and pilot experiment on enstatite
H.H. Schloessin (London, Ont., Canada) and G. Ranalli (Ottawa, Ont., Canada) 132

Magnetic characterization of the new magnetic mineral tetrataenite and its contrast with isochemical taenite
P. Wasilewski (Greenbelt, MD, U.S.A.) 150

Generalized nonlinear inversion of kinetics data: application to the calcite ⇔ aragonite transformation
C. Sotin (Providence, RI, U.S.A.) and M. Madon (Paris, France) 159

Guide for Authors 172

Special Issue: Palaeomagnetism and Geophysical and Geological Events
Guest Editors: F. Heller, K.M. Storetvedt and J.D.A. Zijderveld

Preface iii
Contents v

0031-9201/87/$03.50 © 1987 Elsevier Science Publishers B.V.

Research Papers

Palaeomagnetism of Post Glacial lake sediments from Skanderborg Sø, Jutland, Denmark
P.W. Readman (Dublin, Ireland) and N. Abrahamsen (Aarhus, Denmark) 177
Palaeomagnetic study of the Holocene and Upper Pleistocene sediments from Lake Barombi Mbo, Cameroun: first results
N. Thouveny and D. Williamson (Marseille, France) 193
Preliminary results of a study of four successive sedimentary geomagnetic reversal records from the Mediterranean (Upper Thvera, Lower and Upper Sidufjall, and Lower Nunivak)
J.H. Linssen (Utrecht, The Netherlands) 207
Rock magnetic properties and facies change in Cenomanian/Turonian boundary sediments from NW Germany
U. Hambach (Köln, F.R.G.) 232
Palaeozoic reconfigurations of north Scotland based on palaeomagnetic results from Orkney dykes
K.M. Storetvedt and L.E. Otterå (Bergen, Norway) 243
Palaeomagnetic evidence of tectonic rotations in the southern margin of the Inner West Carpathians
E. Márton, P. Márton and G. Less (Budapest, Hungary) 256
Paleomagnetic results from the southeastern margin of the Ebro Basin (northeastern Spain): evidence for a Tertiary clockwise rotation
J.M. Parés, E. Banda and P. Santanach (Barcelona, Spain) 267
Preliminary palaeomagnetic results from the Subbetic Zone (Betic Cordillera, southern Spain): kinematic and structural implications
M.L. Osete, R. Vegas (Madrid, Spain) and R. Freeman (Zürich, Switzerland) 283
Rotation of the Italian peninsula from aeromagnetic evidence
M. Fedi and A. Rapolla (Napoli, Italy) 301
Magnetotectonics in the Piemont Tertiary Basin
H.K. Thio (Utrecht, The Netherlands) 308
Tectonics along the Trans-Mexican volcanic belt according to palaeomagnetic data
J. Urrutia-Fucugauchi and H. Böhnel (Coyoacán, Mexico) 320
Palaeomagnetism of the Puerto Vallarta intrusive complex and the accretion of the Guerrero terrain, Mexico
H. Böhnel (Münster, F.R.G.) and J.F.W. Negendank (Trier, F.R.G.) 330
Possible origins of Permian remagnetizations in Devonian and Carboniferous limestones from the Moroccan Anti-Atlas (Tafilalet) and Meseta
E. Salmon, J.B. Edel, A. Pique and M. Westphal (Strasbourg, France) 339
Evidence for deuteric magnetization in hydrothermally altered Mesozoic basaltic rocks from East Antarctica
R. Løvlie (Bergen, Norway) 352
Palaeomagnetism of Permian red beds in the contact aureole of the Tertiary Adamello intrusion (northern Italy)
R. Kipfer and F. Heller (Zürich, Switzerland) 365
Magnetic properties of natural pyrrhotite Part I: Behaviour of initial susceptibility and saturation-magnetization-related rock-magnetic parameters in a grain-size dependent framework
M.J. Dekkers (Utrecht, The Netherlands) 376
Contents of Volume 52 394